Specifications — ISM 182, ISM 482 Scaling Matrix Switchers

Video

Routing 8 x 2 matrix

Video input

Connectors 8 x 5 female BNC

0.7 Vp-p for RGB

0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video

Minimum/maximum levels Analog: 0 V to 1.0 Vp-p with no offset

Horizontal frequency

Vertical frequency Autoscan 50 Hz to 100 Hz

Resolution range Autoscan 720 x 525 to 1600 x 1200

Video processing

Video output

Number/signal type 2 scaled RGBHV, RGBS

Scaled resolutions

1280x768^{2,6}, 1280x1024^{1,3}, 1360x765^{3,6}, 1365x1024^{3,6}, 1400x1050^{1,3,6}, 576p^{1,6}, 720p^{3,6},

1080p^{3,6}, 1080i^{1,3,6}

 1 = at 50 Hz 2 = at 56 Hz 3 = at 60 Hz 4 = at 75 Hz 5 = 85 Hz

⁶ = locked to the current input's vertical refresh rate (Accu-RATE Frame Lock)

Return loss -30 dB @ 5 MHz

DC offset ±5 mV with input at 0 offset

Sync

Input type Autodetect RGBHV, RGBS, RGsB, RGBcvS

Output type RGBHV, RGBS

Standards NTSC 3.58, NTSC 4.43, PAL, SECAM

Input level 0 V to 5.0 Vp-p

Output level 0 V to 5.0 Vp-p, unterminated

Input impedance510 ohmsOutput impedance75 ohmsMax input voltage5.0 Vp-pMax. propagation delay20 ns

Polarity Positive or negative (selectable)

Audio

Routing 8 x 2 stereo matrix

Crosstalk <-80 dB @ 1 kHz, fully loaded

Stereo channel separation >90 dB @ 1 kHz

CMRR >75 dB @ 20 Hz to 20 kHz

Audio input

Number/signal type 8 stereo, balanced/unbalanced

-10 dBV (316 mVrms), -20 dBV (100 mVrms)

Input gain adjustment...... –24 dB to +9 dB, adjustable per input

NOTE $0 \, dBu = 0.775 \, Vrms, \, 0 \, dBV = 1 \, Vrms, \, 0 \, dBV \approx 2 \, dBu.$

Audio output

Number/signal type 2 stereo, balanced/unbalanced

Gain error ±0.1 dB channel to channel

Control/remote — switcher/scaler

Baud rate and protocol 9600 baud, 8 data bits, 1 stop bit, no parity

Ethernet protocol ARP, ICMP (ping), TCP/IP, Telnet

Program control Extron's control/configuration program for Windows®

Extron's Simple Instruction Set (SIS[™]) Microsoft® Internet Explorer, Telnet

General

Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing

Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

13.3 cm H x 48.3 cm W x 28.4 cm D

(Depth excludes connectors and knobs. Width excludes rack ears.)

Product weight 11.2 lbs (5.1 kg)

DIM weight

Vibration	ISTA 1A in carton (International Safe Transit Association)

Warranty 3 years parts and labor

NOTE All nominal levels are at ±10%

NOTE Specifications are subject to change without notice.

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